

S/N 10/750,222

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Valerie Guralnik et al.

Examiner: Aditya S. Bhat

Serial No.: 10/750,222

Group Art Unit: 2863

Filed: December 31, 2003

Docket No.: H0005848.36211

Title: PRINCIPAL COMPONENT ANALYSIS BASED FAULT CLASSIFICATION

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**SUBSTITUTE AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

This responds to the Office Action mailed on June 18, 2007. Please amend the above-identified patent application as follows.